PATENT NO.　　　　: 6,890,229 B2　　　　　　　　　　　　　Page 1 of 3
APPLICATION NO. : 10/774582
DATED　　　　　　: May 10, 2005
INVENTOR(S)　　　: Shuji Aoki et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

SHEET 2:

Figure 2, "LOGARITHUM" should read --LOGARITHM--.

COLUMN 2:

Line 58, "an" should read --a--.

COLUMN 5:

Line 22, "of" should read --with--; and
Line 44, "millisecond." should read --milliseconds.--.

COLUMN 6:

Line 41, "while" should read --to showing--.

COLUMN 9:

Line 1, "referred" should read --referred to--; and
Line 44, "(called as" should read --(called--.

COLUMN 10:

Line 56, "store" should read --stored--; and
Line 59, "has" should read --have--.

COLUMN 11:

Line 27, "to" should read --of--; and
Line 34, "character" should read --characteristic--.

COLUMN 12:

Line 30, "character" should read --characteristic--; and
Line 36, "On" should read --If, on--.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 14:

        Line 2, "Vshit1" should read --Vshift2--;
        Line 11, "to" should read --to be--;
        Line 20, "to" should read --to be--;
        Line 28, "to" should read --to be--; and
        Line 37, "to" should read --to be--.

COLUMN 15:

        Line 64, "referred" should read --referred to--.

COLUMN 17:

        Line 61, "devises" should read --devices--.

COLUMN 19:

        Line 11, "are" should read --is--;
        Line 20, "one-to-on" should read --one-to-one--; and
        Line 22, "are" should read --is--.

COLUMN 20:

        Line 24, "without" should read --with--; and
        Line 31, "being" should read --of--.

COLUMN 21:

        Line 6, "vales" should read --values--.

COLUMN 22:

        Line 30, "voltage" should read --voltages--; and
        Line 33, "has" should read --have--.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 6,890,229 B2
APPLICATION NO. : 10/774582
DATED   : May 10, 2005
INVENTOR(S)   : Shuji Aoki et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 23:

Line 25, "arisen" should read --arose--.

Signed and Sealed this

Third Day of June, 2008

JON W. DUDAS
Director of the United States Patent and Trademark Office